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## ABSTRACT OF THE DISCLOSURE

An apparatus and method for controlling a laser system is disclosed which may comprise a spectrometer adapted to measure an unknown bandwidth of a spectrum of light emitted from the laser, which may comprise an optical bandwidth measuring unit adapted to provide as an output a measured parameter, which is  
10 indicative of a parameter of the unknown bandwidth of the spectrum being measured; a reported parameter computing unit adapted to compute a reported parameter of the unknown bandwidth of the spectrum being measured according to the formula: Reported Parameter ("RP") = A \* (Measured Parameter ("MP")) + C, wherein the RP and MP are a different type of parameter and the values of A and C  
15 are determined based upon calibration of the optical bandwidth measuring unit MP response for light of known valued of RP. The optical bandwidth measuring unit may comprise an interferometric or dispersive optical instrument, such as an etalon. RP may be, e.g., at FWXM and MP may be, e.g., FWX'M, wherein  $X \neq X'$ . RP may be, e.g., at EX% and MP may be, e.g., at FWXM.

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